



## PATENT ABSTRACTS OF JAPAN

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**(54) FAN DRIVEN GENERATING DEVICE IN RUNNING VEHICLE****(57) Abstract:**

**PURPOSE:** To convert the wind pressure of a vehicle into electric generation for preventing an environment from becoming worse by providing a wind mill on a running vehicle, and transmitting the rotation of the wind mill being due to running wind pressure to a generator for generating electricity.

**CONSTITUTION:** The front wind mill 1 is turned in front of a proceeding direction to receive wind pressure on the whole face of the wind mill. A lateral wind mill 2 receives the wind pressure by the upper face of the wind mill, and is thereby rotated. Since the wind mill can be thrown down, the area of a impeller to receive the wind pressure can be enlarged. Even in the case where a plurality of wind mills is longitudinally provided, since the wind pressure comes into contact with a laterally long and wide impeller, each wind mill can obtain similar driving force. The lateral wind mill 2 is longitudinally raised to bring the wind pressure into contact with the side of the wind mill 2 for rotating the wind mill, and a plurality of such lateral wind mills can be provided on both the sides of a vehicle, and moreover the rotation

of the wind mill can be directly transmitted to a generator on lower side. In addition, the rotation of the front and lateral wind mills to the generator can be intensively transmitted to one generator by using gearing.

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